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*Killing frosts and temperatures.*

DEPARTMENT OF AGRICULTURE, WEATHER BUREAU,  
Washington, D. C., October 22, 1897.

SIR: I beg to inclose herewith, in response to your inquiry of the 20th instant, a table of dates of first killing frost and minimum temperatures during November and December at Mobile and Montgomery, Ala., and Galveston, Tex.; also, at Memphis, Tenn., New Orleans, La., and Vicksburg, Miss.

Very respectfully,

WILLIS L. MOORE,  
Chief of Bureau.

*Dates of first killing frost in the cities of Mobile and Montgomery, Ala.*

MOBILE.				MONTGOMERY.			
Year.	Killing frost.	Minimum temperatures.		Year.	Killing frost.	Minimum temperatures.	
		November.	December.			November.	December.
		<i>Degrees.</i>	<i>Degrees.</i>			<i>Degrees.</i>	<i>Degrees.</i>
1873 .....	Nov. 20	30.0	28.0	1873 .....	Oct. 29	26.0	23.0
1874 .....	Nov. 2	32.0	34.0	1874 .....	Dec. 15	31.0	32.0
1875 .....	Dec. 18	41.0	30.0	1875 .....	Dec. 9	36.0	23.0
1876 .....	Nov. 9	35.0	21.0	1876 .....	Nov. 10	32.5	20.0
1877 .....	Nov. 12	27.0	26.0	1877 .....	Nov. 4	26.5	24.0
1878 .....	Nov. 2	36.0	26.0	1878 .....	Nov. 1	33.0	22.0
1879 .....	Nov. 22	33.0	24.0	1879 .....	Nov. 22	29.0	20.0
1880 .....	Dec. 8	(a)	14.0	1880 .....	Nov. 7	26.0	8.0
1881 .....	Nov. 25	27.0	36.8	1881 .....	Nov. 26	24.6	33.2
1882 .....	Nov. 15	29.5	24.0	1882 .....	Nov. 15	28.8	19.2
1883 .....	Dec. 16	33.4	28.5	1883 .....	Nov. 3	29.0	26.9
1884 .....	Nov. 25	34.1	20.3	1884 .....	Nov. 7	32.1	16.0
1885 .....	do	32.0	26.0	1885 .....	Nov. 14	31.0	25.0
1886 .....	Nov. 18	30.5	22.9	1886 .....	Nov. 7	31.3	22.1
1887 .....	Nov. 22	25.2	25.4	1887 .....	Nov. 21	21.4	22.0
1888 .....	Nov. 28	33.5	25.0	1888 .....	Nov. 26	29.7	24.2
1889 .....	Nov. 29	30.0	32.0	1889 .....	Nov. 29	27.0	29.0
1890 .....	Nov. 4	36.0	31.0	1890 .....	Oct. 31	33.0	29.0
1891 .....	Nov. 18	28.0	30.0	1891 .....	Oct. 21	23.0	28.0
1892 .....	Dec. 23	36.0	20.0	1892 .....	Oct. 28	30.0	20.0
1893 .....	Nov. 16	32.0	26.0	1893 .....	Oct. 31	27.0	24.0
1894 .....	Nov. 7	29.0	16.0	1894 .....	Nov. 7	26.0	13.0
1895 .....	Nov. 27	31.0	27.0	1895 .....	Nov. 12	27.0	22.0
1896 .....	Dec. 3	33.0	31.0	1896 .....	Nov. 9	32.0	24.0
Average date, November 22.				Average date, November 12.			

a No record.

*Dates of first killing frost in the city of Galveston, Tex.*

Year.	Frost.	Minimum temperatures, F.		Year.	Frost.	Minimum temperatures, F.	
		November.	December.			November.	December.
		<i>Degrees.</i>	<i>Degrees.</i>			<i>Degrees.</i>	<i>Degrees.</i>
1876 .....	Dec. 25	39	26	1887 .....	Dec. 18	37	29
1877 .....	Dec. 7	30	35	1888 .....	(a)	42	40
1878 .....	Dec. 25	37	29	1889 .....	(a)	39	47
1879 .....	do	43	24	1890 .....	(a)	49	37
1880 .....	Nov. 18	29	18	1891 .....	(a)	36	39
1881 .....	(a)	36	42	1892 .....	Dec. 27	44	25
1882 .....	(a)	39	34	1893 .....	Dec. 16	43	37
1883 .....	(a)	43	41	1894 .....	Dec. 28	41	21
1884 .....	Dec. 18	44	29	1895 .....	Dec. 30	37	32
1885 .....	(a)	46	34	1896 .....	Nov. 30	35	34
1886 .....	Dec. 5	34	25				

Average date, December 18.

a None reported.

*Dates of first killing frost in the cities of Memphis, Tenn., and New Orleans, La.*

MEMPHIS.				NEW ORLEANS.			
Year.	Killing frost.	Minimum temperatures.		Year.	Killing frost.	Minimum temperatures.	
		November.	December.			November.	December.
		Degrees.	Degrees.			Degrees.	Degrees.
1873 .....	Oct. 28	25	24	1873 .....	Nov. 20	39.0	35.0
1874 .....	Oct. 13	25	29	1874 .....	Dec. 21	40.5	41.0
1875 .....	Oct. 12	27	21	1875 .....	Dec. 9	48.0	36.0
1876 .....	Oct. 2	25	3	1876 .....	Nov. 21	39.0	28.0
1877 .....	Nov. 3	16	20	1877 .....	Nov. 11	38.0	34.0
1878 .....	Oct. 28	30	11	1878 .....	Dec. 16	41.0	27.0
1879 .....	Nov. 4	27	14	1879 .....	Dec. 26	38.0	32.0
1880 .....	Nov. 2	16	3	1880 .....	Nov. 19	34.0	20.0
1881 .....	Oct. 20	22	31	1881 .....	Nov. 25	31.5	40.3
1882 .....	Nov. 13	29	12	1882 .....	Dec. 8	36.8	29.5
1883 .....	Nov. 2	20	22	1883 .....		36.8	37.0
1884 .....	Oct. 24	24	8	1884 .....	Dec. 19	42.2	28.8
1885 .....	Oct. 22	30	18	1885 .....	Dec. 15	40.0	30.4
1886 .....	Oct. 28	30	17	1886 .....	Nov. 18	34.4	27.0
1887 .....	Oct. 12	18	14	1887 .....	Dec. 29	34.0	29.4
1888 .....	Nov. 11	31	23	1888 .....	Dec. 20	41.0	30.7
1889 .....	Nov. 29	24	28	1889 .....		38.0	39.0
1890 .....	Oct. 31	36	23	1890 .....	Dec. 10	44.0	35.0
1891 .....	Oct. 23	20	27	1891 .....	Nov. 30	30.0	36.0
1892 .....	Oct. 26	25	13	1892 .....	Dec. 27	41.0	23.0
1893 .....	Oct. 16	24	18	1893 .....		36.0	33.0
1894 .....	Nov. 3	24	5	1894 .....		36.0	21.0
1895 .....	Oct. 9	27	20	1895 .....		37.0	34.0
1896 .....	Nov. 8	19	21	1896 .....	Dec. 25	35.0	32.0
Average date, October 26.				Average date, December 7.			

*Dates of first killing frost in the city of Vicksburg, Miss.*

Year.	Killing frost.	Minimum temperatures, F.		Year.	Killing frost.	Minimum temperatures, F.	
		November.	December.			November.	December.
		Degrees.	Degrees.			Degrees.	Degrees.
1873 .....	Oct. 20	28.0	28.0	1885 .....	Nov. 24	31.2	22.5
1874 .....	Nov. 1	31.0	33.0	1886 .....	Nov. 18	27.8	19.2
1875 .....	Dec. 18	33.0	25.0	1887 .....	Oct. 31	27.1	21.5
1876 .....	Nov. 20	32.0	13.5	1888 .....	Nov. 11	35.3	24.2
1877 .....	Nov. 7	23.0	23.0	1889 .....	Nov. 18	30.0	34.0
1878 .....	Nov. 1	33.0	20.0	1890 .....	Nov. 4	35.0	27.0
1879 .....	Nov. 19	31.0	19.0	1891 .....	Oct. 19	22.0	28.0
1880 .....	Nov. 7	23.0	12.0	1892 .....	Nov. 11	34.0	16.0
1881 .....	Nov. 4	25.0	33.0	1893 .....	Nov. 15	30.0	24.0
1882 .....	Nov. 14	31.3	18.6	1894 .....	Nov. 11	30.0	15.0
1883 .....	Nov. 16	28.3	29.8	1895 .....	do.	31.0	25.0
1884 .....	Nov. 6	32.2	18.1	1896 .....	Nov. 9	27.0	30.0

Average date, November 10.

NOTE.—This furnishes a fair indication for Edwards and vicinity.